DERWENT-ACC-NO: 1990-005837

DERWENT-WEEK: 199001

TITLE: System for calibrating seismometer - noise and micro-seismic signals pre-calibrated on component seismometer and signals subtracted from output signals

INVENTOR: ALEKSANDRO, A I; TEREKHOV, V G

PATENT-ASSIGNEE: ALEKSANDROV A I[ALEKI]

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PATENT-FAMILY:

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SU 1488742 A	June 23, 1989	N/A	003	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
SU 1488742A	N/A	1987SU-4319326	October 23, 1987

INT-CL (IPC): G01V001/16

ABSTRACTED-PUB-NO: SU 1488742A

BASIC-ABSTRACT:

Prior to calibration, the levels of noise and microseisms are measured simultaneously and calibrated. The component seismometers mounted on the same base (1) are similarly calibrated. Scale amplifier (6), in the circuit of compensating seismometer (3), finds the minimum level of the signal at the

output of differential amplifier (7). The amplitude of the signal from
compensating oscillator (8) is regulated and the phase adjusted by phase
shifter (9), via differential amplifier (10). The noise-microseismic signal at
calibration frequency is then subtracted from the output signal of differential
amplifier (7).

USE/ADVANTAGE - In field seismology, for calibrating seismometers. Accuracy of
calibration under noisy or microseismic conditions is improved.
Bul.23/23.6.89.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: SYSTEM CALIBRATE SEISMIC NOISE MICRO SEISMIC SIGNAL PRE CALIBRATE
COMPONENT SEISMIC SIGNAL SUBTRACT OUTPUT SIGNAL

DERWENT-CLASS: S03

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SECONDARY-ACC-NO:
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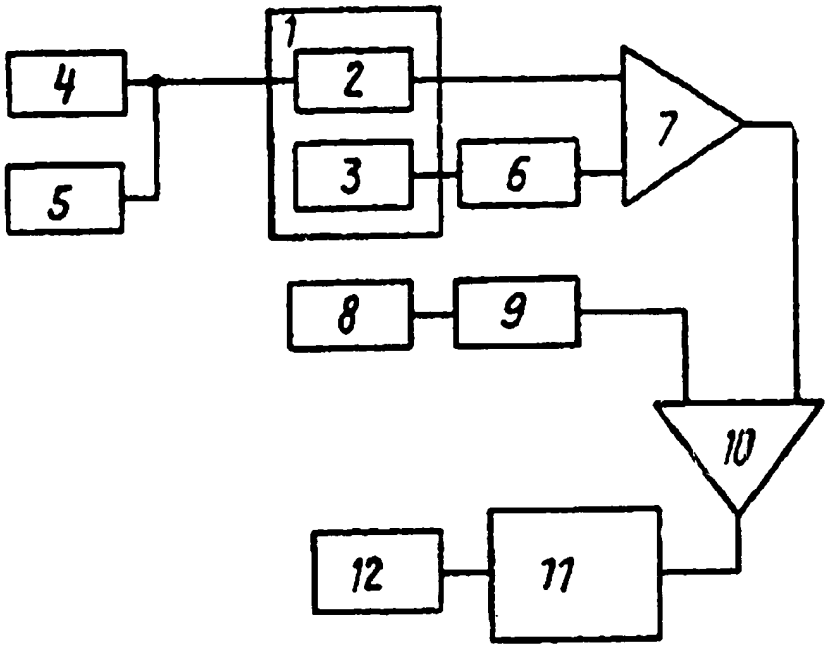
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